

**Y-12ERS PARTICIPATING IN RESCUE TEAM DRILLS AS** a part of the Oak Ridge Community Disaster Plan are pictured above at work. At left W. A. Parks directs Harrison Raper, W. D. Laughlin, R. T. Faulkner and A. F. Ogden, Sr., left to right, in simulated removal of debris from a wrecked building. The center

**Y-12 Photos By Vince Moore** picture shows Laughlin, Ogden, Faulkner and Parks practicing removal of a dummy body from wreckage. At right J. E. Roberts and Laughlin are drilling in breaking through a boarded window. The pictures were made as rescue squad members drilled on abandoned buildings in Oak Ridge.

## Many Y-12ers Volunteer For 'Rescue Squad' Work Vital In Case Of Community Disaster

After an unexpected but entirely possible bomb blast—or other disaster—strews wreckage over the Oak Ridge landscape, and there may be injured or dead persons buried in debris—then what comes next?

According to the program being worked out by the leaders of the Plan, one of the vital cogs in the relief work will be done by the rescue squads—along with nursing, fire fighting, repairing of communications and other activities necessary to alleviate suffering and damage.

The work of the rescue squads is not glamorous—but their hard work, much of it just plain heavy manual labor, might mean the difference between life or death of persons interred in debris, or saving of other lives by clearing away dangerous wreckage, live wires or other hazards.

### 26 Y-12ers on Squads

It is very much in character that Y-12ers are in the forefront in

personnel of the nucleus of the rescue squads now being organized in the city. In the latest check of men drilling for rescue squad work under the Community Disaster Plan, 26 Y-12ers, or more than half, were listed. Charles Engel, assistant coordinator of the Community Disaster Plan, and W. H. Britton, the coordinator, were high in their praise of the loyalty and seriousness of mind of the Y-12 men who realize the responsibilities of the jobs for which they have volunteered.

The Community Disaster Plan set-up provides for eight rescue squads—or teams—one for each of the eight zones in which the city has been divided. It is planned to have 10 men on each team with heavy equipment operators, electric linemen, carpenters and laborers represented on each. At present some 40 men are training for the rescue squad work and this group will be used as a nucleus for the training of others.

Among the Y-12ers on the rescue squad roster last week were C. B. Hopkins, M. R. Vineyard, W. A. Parks, A. F. Ogden, Sr., E. E.

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## AEC Recieves Most Isotope Shipments

The majority of the stable isotope shipments from the Y-12 Isotope Research and Production Division during the month of February went to laboratories of the Atomic Energy Commission. A total of 25 such shipments were made with only nine going to laboratories and institutions operated privately, the total shipments for the month being 34.

The February consignments of the Isotope Research and Production Division exceeded the January total by just one. In January 15 shipments of stable isotopes went to AEC laboratories and 18 to others.

The University of Illinois was the only recipient of more than one stable isotope shipment made during February. It was sent 100 milligrams each of Zirconium 91, Zirconium 92 and Zirconium 94.

Other shipments included 100 mgs. of Vanadium 50 to the University of Wisconsin, 400 mgs. of Zinc 64 to Stanford University, 1,002 mgs. of Potassium 41 to Columbia University, 32 mgs. of Samarium 14 to Kansas State College, 50 mgs. of Silicon 29 to Yale University, and 100 mgs. of Titanium 50 to the Oak Ridge Institute of Nuclear Studies.

## Dr. Livingston Is Senior Y-12er In Plant Service

He's seen Y-12ers come and go—he's seen the plant and Oak Ridge grow—and now Dr. R. S. Livingston, director of the Y-12 Electromagnetic Research Division, has a valid claim to "patriarch" of the plant. His employment date of March 4, 1943, and his badge number of 24 certifies him as the senior Y-12er in point of continuous service.

### Worked With Contractor

Although he was employed for work in Y-12 with Tennessee Eastman Corporation on March 4, 1943, at Berkeley, Cal., he actually did not set foot in Oak Ridge until July 21 of the same year. Prior to that time he was a representative of TEC to the Stone and Webster Co., contractors for the plant, at meetings in Boston, Mass.

When he came to Oak Ridge, Dr. Livingston found most of the offices were housed in Oak Ridge buildings. In the present plant area Bldg. 9201-1 was the only production structure anywhere near completed and Bldg. 9704-1, the first TEC administration building, also was being built.

### Trip To Plant Adventure

"A trip from Oak Ridge to the Y-12 plant site in those days was a real adventure," he pointed out.

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## U-T Enrollment Opens In Oak Ridge Thursday

Y-12ers wishing to enroll in any of the six classes being offered in Oak Ridge by the University of Tennessee Knoxville Extension Center may register on Thursday night, March 13, from 6:30 p. m. to 9:30 p. m., in Room A-129, Oak Ridge High School. Classes for the spring quarter will begin next Monday, March 17, and end May 28.

The extension center established by the university is serving residents of Knoxville, Oak Ridge and nearby communities in various educational activities that fall within the scope of the state university, the primary objective being to offer night classes for benefit of those who work during the day and are unable to attend day classes. Although most students in these classes are high school graduates, anyone qualified by business, industrial or military experience may enroll. The courses carry University of Tennessee Extension credit which may be applied toward a degree. The classes also are open to persons who do not desire university credit.

A description of the six courses to be offered for the spring quarter follows:

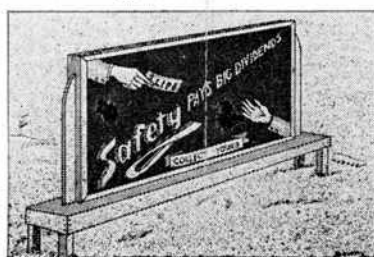
**Accounting 212-E**—A continuation of Accounting 211-E. Particular topics include controlling accounts, special columns in books

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## 'No Laurels For The Living' Sermon In Safety For Everyone; Awards Declared Stimulating But Evidence Only Of Past Deeds

"No Laurels For The Living" is the headline of a striking editorial in a recent issue of Safety Standards, the federal monthly magazine of safety. As a safety thought for all Y-12ers, The Bulletin is reprinting the editorial in full, as follows:

"The case of the British bus driver who plowed into a group of young naval cadets, killing several of them, the day before he was to receive an award for 25 years of safe driving last December, bears tragic testimony to the fact that safety is a fleeting thing, to be won and preserved only by constant striving and watchfulness. It may seem that the accident was



beyond the driver's control, but safety is not an individual accomplishment, and somewhere, someone failed to exercise control.

"The disaster would have been no less, and the tragedy to the bus driver might have been greater,

had the accident occurred a day after, instead of a day before, the planned award.

"Safety awards serve a useful purpose in stimulating effort on the part of the recipient and others. But they are evidence of past accomplishments only. They bear no promise for the future.

"There are no safety laurels for the living, not in the sense that men can rest upon them.

"The job of safety is as long as life itself, and the only lasting award is the promised praise of the Master—'Well done, thou good and faithful servant.' Until that time there can be no resting."

## Carbide To Put Polyethylene Plant In Texas

**Vital Material For Military Uses To Be Produced In New Unit**

Construction of a major unit for the production of polyethylene resins has just been announced as an addition to the Texas City plant of Carbide and Carbon Chemicals Company, a Division of Union Carbide and Carbon Corporation.

The certificate of necessity for this construction has just been granted by the National Production Authority, and government agencies now are cooperating in getting the other necessary priorities for construction materials and equipment.

### Production Seen By 1953

With this assistance, construction will begin immediately. The unit is expected to be in production by early 1953.

The estimated production of this unit is 50,000,000 pounds a year. It has been estimated, furthermore, that the total United States annual production of polyethylene, from Carbide's Texas City and South Charleston plants and from other producers, will be between 100,000,000 and 150,000,000 pounds by the end of 1952. It is anticipated that the entire production of the Texas City unit will go into the defense effort. It is also expected that by the end of 1952, the military requirements still will be in excess of the country's ability to produce polyethylene.

### Valuable For Military Uses

Polyethylene has specific properties that make it irreplaceable by any material known today in a wide number of important military applications. These applications include lightweight, efficient insulation for infantry "assault" wire or field telephone wire, high-frequency cable for air-borne and ship radar systems, and harbor defense cables for anti-submarine work. Insulation for fire, police, telephone and air alarm cables are important civilian defense uses of polyethylene. This plastic is also needed for the packaging of many military materials, ranging from rations to such important military equipment as insulation for aircraft engines, electric motors and ammunition.

Because of increasing military requirements, the National Production Authority ordered the placing of polyethylene on an allocation basis as a scarce chemical, effective June 1, 1951. It is impossible, therefore, to speculate on what civilian uses of polyethylene can be continued.

The new construction planned at Texas City includes three new buildings on an eight-acre plot.

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## SAFETY SCOREBOARD

Your Plant Has Operated

63 Days

Without A Lost Time Accident

Through March 9



# The Bulletin

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Miss Olean Rutland

## RUTLAND - NICKLAS

An early spring wedding is being planned by Miss Olean Rutland, of the Y-12 Assay Laboratory; and John H. Nicklas, connected with an Argonne National Laboratory group working at the Oak Ridge National Laboratory. Their engagement was announced last week by parents of the bride-to-be, Mr. and Mrs. Roy B. Rutland, of Cherokee, Ala.

Mr. and Mrs. John M. Nicklas, of Harvey, Ill., are parents of the groom-elect.

Miss Rutland is a graduate of the Cherokee Vocational High School. Nicklas attended the University of Kansas and received a B.S. degree in aeronautics from the University of Chicago.



Five Y-12 employees were listed as fathers of babies born recently at the Oak Ridge Hospital. Michael Getsi, Electrical Maintenance, became the father of a girl March 1. John W. Foster, Administrative Normal, became father of a girl March 2. Ira B. Hogg, Maintenance Shops, became father of a boy on March 4. Erven Ross, Research Services, became father of a boy March 4. Harry C. Francke, Administrative Normal, became father of a boy March 6.

## POLICY CHANGE SEEN

The New York Herald Tribune reports that the unexpected arrival in West Germany recently of four top American atomic scientists has led to speculation in Bonn, Germany, that Allied policy toward German science may be undergoing a change. Discussion has arisen on whether the Allied policy may be changed from "control" to "cooperation." The scientists included Drs. J. Robert Oppenheimer, Lee DuBridge, Charles Lauriston and Prof. Walter Whitman.



Evan Means, the old "Hole Truth" man down in Electrical Maintenance, flows as how with Wildlife Conservation Week starting March 16, there will be a few Y-12ers who will be in there fighting to conserve some wildlife for themselves—wine, wimmen and song—in particular . . . J. P. Jones vacationed over around his Oliver Springs farm engaged in the pro-saic but important vacation job of building a fence . . . The department welcomes J. L. Spray, who with his family has recently moved here from Missouri . . . Get-well wishes go to C. E. Phillips and to T. V. Williams, who are on the sick list . . . Mike Getsi vacationed at home last week in order to get acquainted with his brand new baby girl—congratulations go to Mike . . . J. L. Titlow doubtless spent most of his week of vacation at his favorite sport—we ought to hear some tall fish tales from him this week . . . The department extends congratulations to L. F. Kennedy, Jr., at his recent marriage . . . Sympathy is extended to C. W. Harpe, whose brother died last week . . . The department also extends sympathy to B. M. Cox at the death of his mother-in-law—and to W. M. Akers at the recent death of his father-in-law.

The Bulletin last week received one of its frequent communications from former Y-12ers now in the service—this one from M. N. Wilkerson, former Guard Department employee now in the Navy and stationed at Memphis, Tenn. He is at the Naval Reserve Training Center and says, "I like my duty here but I miss my friends of Y-12. Give my best regards to all." . . . Fellows vacationing from the department this week are C. L. Cotter, F. M. Pierce, and R. L. Carson.

The Fire Department extends a get-well wish to Capt. Dave Turner with the hope he will be able to return to work this week after wrestling with the flu bug the past two weeks.

Helen Burkhalter, of Plant Records, and her husband, Max, spent a recent week end in Augusta, Ga.

Betty Stephens and Joyce Coffey, of K-25, journeyed over to Nashville for a week end of fun.

Barbara Jackson, of Medical, vacationed at her home in Knoxville last week with the exception of a few days spent in Nashville.

Maude Clemmer is vacationing in Florida this week.

Uranium Control and Computing welcomes John Lay and Edgar Hopper to the roster. . . . Betty Brown trekked down to Atlanta, Ga., over a recent week end. . . . Bertha Crowder spent a recent week end with her folks in Bowling Green, Ky. . . . Virginia Swanner spent last week end at her home in Athens, Ga., to visit with her brother, who is home from Korea.

The General Maintenance Offices extend get-well wishes to H. D. Duncan and to Geneva Carter, who were on last week's sick list.

Paul Grubb and A. J. King, of Field Maintenance, were on last week's vacation list. . . . H. J. Tate was also on vacation last week—and of all places—he landed up in the Oak Ridge Hospital—a speedy recovery. Tate!

E. R. Bailey, of Utilities Maintenance, is back from a week's vacation. . . . Get-well wishes go to K. E. Caughron, who is a patient in the Oak Ridge Hospital. . . . The department welcomes F. D. Robinson back to work after a week of illness.

The Laundry Department wishes a speedy recovery for Sarah Corum and for Virginia Creekmore, who are on the sick list.

Congratulations go to E. E. Gregory, of the Cafeteria, who is the proud father of a baby boy born February 23, at the Oak Ridge Hospital—Gregory took his vacation last week to be at home with his family.

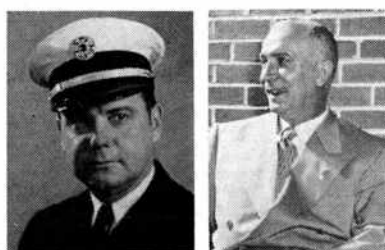
Geneva Gracey, of Health Phy-

## Betty Ann Hughey and Jack Parsons Marry In Metropolis, Ill.; Bride's Father Former Y-12er; Groom's Dad Is Still On Job Here

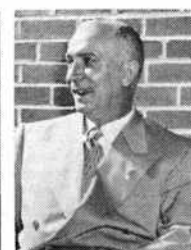
A romance that started with a 1949 Christmas visit of a Marine to his Y-12 father—his renewal of a grammar school friendship with a charming girl, daughter of a then and now former Y-12er—culminated in marriage on Friday, February 29, at Metropolis, Ill. The youthful principals in the wedding were Jack Parsons, 20, son of Larry Parsons, of the Y-12 Electromagnetic Division; and Betty Ann Hughey, 18, daughter of John Hughey, former Y-12 fire chief and now with the Carbide Paducah, Ky., plant.

None of the details of the marriage were available here last Friday—except that the young couple were attended at their wedding by Chief and Mrs. Hughey and C. S. Huffman, another former Y-12er now at Paducah, and Mrs. Huffman. The wedding was at the Metropolis First Baptist Church.

Although heartily blessing the union, the elder Parsons said he did not know of the plans until after the marriage was performed. He said his son, a Marine Corps



John Hughey



Larry Parsons

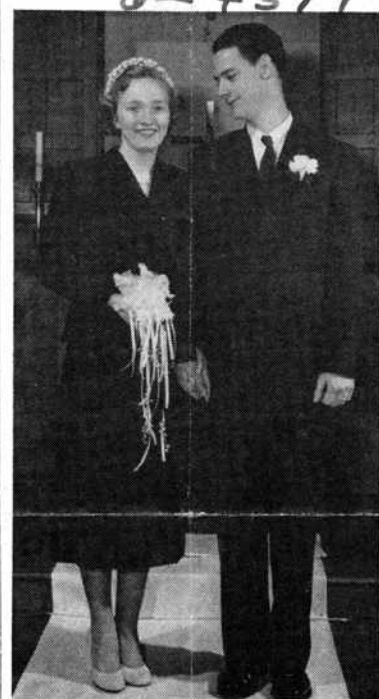
corporal, had been at the Great Lakes Naval Station hospital for some time awaiting reassignment to duty and had a year more to serve on his enlistment and he "guessed" the young folks just decided not to wait any longer. After the ceremony, Corporal Parsons returned to Great Lakes and his bride remained with her folks.

Jack and Betty Ann were school mates at the Elm Grove grammar school. He later attended Oak Ridge High School for one year. Miss Hughey went to Jefferson Junior High School and then to Oak Ridge High School, where she

attained wide popularity as a student and baton wielder in the band in both schools.

Larry Parsons said last Friday that he expected to receive more detailed news and pictures of the wedding shortly—so in the meantime The Bulletin will merely print the pictures of the proud fathers involved—as "pops" seldom get their pictures in a paper in connection with weddings. If the wedding pictures are forthcoming—they certainly will be published in this paper.

Jack Parsons went to Korea in August, 1950, and served about 11 months there as the Marines made a personally conducted tour of the battle fronts. He returned to the United States in September of last year and visited his parents here in October, 1951, while on leave from the Great Lakes Hospital. His older brother, Sgt. Larry Parsons, also was here at that time, it being the first time in 21 months that both of the sons and their parents had been together in the group.



MR. AND MRS. LEE FRANK Kennedy are pictured above just after their wedding Saturday, March 1, at the Chapel-On-The-Hill. Kennedy is with the Y-12 Electrical Maintenance Department and his wife, prior to her marriage, was Miss Charlotte Ann Smith, of the Y-12 Laundry. The ceremony was performed by the Rev. Lon Moneyhun, pastor of Trinity Methodist Church, Oak Ridge.

sics, is vacationing in Jacksonville, Fla.—her husband is stationed there with the Navy.

Catherine Gorder, of the Analytical Laboratory, visited her brother and friends in Paducah, Ky., over the week end. . . . Maggie Bloomer and her husband went over to Jamestown, Tenn., for the week end. . . . The department welcomes L. M. Steckel to the roster. . . . A welcome back is extended to Dorothy Tipton after a week's absence because of illness. . . . George McMahon was spied one day last week passing out cigars to both men and women—and he wasn't even a papa—just a very proud uncle.

Nell Leonard, of the Assay Laboratory, is on vacation this week. . . . Florence Robbins spent the week end with her family in Oneida, Tenn. . . . The department sends the unanimous wish for a speedy recovery to all the folks who are on the sick list.

Property Sales welcomes Viola Beard to its roster

Congratulations go to Bruce Hogg, of Maintenance Shops, who is the proud papa of a baby boy born March 4, at Oak Ridge Hospital weighing nine pounds and two ounces—a prospective fullback for the University of Tennessee, or



## SLADKY - BREWER

The marriage of Miss Mary Brewer and Richard Sladky, both of the Y-12 Analytical Laboratory, was solemnized Saturday morning, March 1, at St. Mary's Catholic Church, Oak Ridge. Father Francis A. McRedmond officiated at the ceremony.

The bride is the daughter of Mr. and Mrs. Earl Brewer, of Lawrenceburg, Tenn. The groom is the son of George W. Sladky, of Milwaukee, Wis.

At her marriage the bride wore a ballerina length gown of white imported Chantilly lace over satin, having a nylon net yoke fashioned with scattered seed pearls. Her headdress also was of Chantilly lace and orange blossoms with a chapel length veil. She carried a bouquet of white carnations centered with a white orchid.

Miss Earline Brewer, sister of the bride, was maid of honor. She wore a pale blue nylon gown with an overskirt of lace, featuring a small lace capelet with matching accessories and a floral headdress. She carried a bouquet of yellow carnations.

Norbert Sladky, brother of the groom, was best man.

Following the ceremony a wedding breakfast was held at the Oak Terrace.

After a short wedding trip to Atlanta, Ga., the couple is at home in Oak Ridge.

## Carbide Wives Card Party Scheduled Next Wednesday

All wives of Y-12ers are invited to the monthly card party of the Carbide Wives scheduled for 7:30 o'clock next Wednesday night, March 19, in the East Lounge of Ridge Recreation Hall. Bridge and canasta will be played and refreshments served. Instruction in the card games will be given if desired.

is it the University of Kentucky?

The Analytical Chemistry Division extends sincere sympathy to Dr. R. Rowan whose father died February 26, at Carlsbad, N. M.

Eunice Bogle is vacationing this week. . . . A speedy recovery is wished for Velma Soard, who has been in the Oak Ridge Hospital and is now on the mend at home.

Edith Zarzecki, of Isotope Research, and her husband, Pete, spent the week end in Birmingham, Ala., visiting her brother; also taking in the Southern Bowling Tournament while there.



Mr. and Mrs. Richard Sladky



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Lonnie R. Hall, Research Services; Harry J. Tate, and Fletcher H. DeFord, Field Maintenance; Ercele W. Wright, Administrative Product; William L. Blackford, Administrative Normal; Carl J. Green, ANP Division; Kenneth E. Caughron, Utilities Maintenance; Douglas Griffin, Janitors; Lewis Childs, Electromagnetic Research; Alan Conger, Biology; Buford E. Renau, Stores.

## Knoxville Man Will Address Mineralogy Group Thursday

William Johnson, of Knoxville, will speak at a meeting of the Oak Ridge Mineralogy Society at 8 o'clock tomorrow night, Thursday, March 13, at the American Museum of Atomic Energy. All Y-12ers interested in the work are invited to attend. Johnson's topic will be "Mineralogy of the Spruce Pine in the North Carolina Area."

Preceding the meeting a class in mineral identification will be conducted at the museum by G. W. Westerdaal, former Y-12er. Other features of the meeting will be exhibits of minerals collected by the society on a field trip at Cranberry and Spruce Pine, S. C., on March 1 and 2.



## Monday Afternoon Deadline For Y-12 Bowlers To Enter Carbide Bowling Tournament At Oak Terrace March 29-30 and April 5-6

The deadline for Y-12 bowlers to enter the all-Carbide bowling tournament, scheduled for March 29-30 and April 5-6 at the Oak Terrace alleys, is 4 o'clock next Monday afternoon, March 17. Because of the large number of entries expected from keggers in the three Carbide units in Oak Ridge eligible to participate in the event, no extension can be granted for late comers.

Entry fees must accompany all entries. The fees total \$2 per person per event. Of this amount

90 cents will go for bowling fees and the remaining \$1.10 is for the tournament entry fee. The entire \$1.10 fee will be returned in cash prizes to winners in various events on handicap scores.

In addition to the cash prizes, handsome trophies donated by the Company will be presented to first, second and third places in the men's events, handicap and scratch, and first place in women's events, handicap and scratch. No one bowler will be awarded more than one trophy in any one event.

Tournament handicaps will be

based on highest averages on January 21, 1952. All Carbide employees who are registered members of a Carbide league and who have bowled a minimum of 15 games before January 21, 1952, are eligible. Also eligible are Carbide employees who have bowled that many games in any ABC sanctioned league.

Entry blanks and complete information on the tournament may be obtained from the Y-12 Recreation Office, North Portal, telephone 7753.



Y-12 Photos By Vince Moore

**THEY CAME—THEY SAW—THEY COLLECTED, AND HOW! IT WAS PRIZE DISTRIBUTION** Day in the Recreation Office last week when various and sundry winners of trophies in the Y-12 plant bowling tournament picked up their awards. Those trophies on the table were not just "left overs." They belong to bowlers who were unable to attend the meeting when the trophies were given out.

## Toppers Increase Bowling Loop Lead; Grocers Blank Foes

The Toppers increased their lead in the D League last week by taking three points from the Isotopes while the Activators and Old Men, tied for second place, kept the status quo by dividing their points. The Grocers, first half champions of the league who have been having trouble selling their wares in the second round, came to life with a whitewash win over the Woodchucks and the Hoboes humbled the Vectors by three.

Hobey Thomas, of the Hoboes, monopolized individual scoring honors with a 223, 250, 602 and 683 across the board. The 602 scratch series was high for the second round of play. Aided by his work his teammates posted a 2430 scratch series and 3045 handicap series, the latter being high for the second round. The Toppers had the top scratch game of 835 and the Vectors the best handicap game of 1050.

League standing follows:

Team	W	L
Toppers	24	12
Old Men	21	15
Activators	21	15
Hoboes	20	16
Grocers	20	16
Vectors	18	18
Woodchucks	15	21
Isotopes	5	31

## Pistol Team Tops Police, Tie For Top

The Y-12 pistol team outfired the Oak Ridge Police outfit last Wednesday night by the narrow margin of 149.562 to 148.360 in handicap score. A total of 13 men fired for Y-12 with the high five handicap scores being posted by F. B. Thomas 196—293.018; M. E. LaVerne 269—289.906; W. M. Stephan 211—289.222; H. C. Hoy 221—289.195; and C. B. Mills 232—288.195. The victory gave the Y-12ers a tie for first place with K-25.

## INTER-PLANT LEAGUE TITLE TILT SET TONIGHT

Originally scheduled for last week, the championship game in the Inter-Plant League was postponed and will be played at 7:30 o'clock tonight at the Jefferson Junior High School gymnasium. Meeting for the title will be the Rough House Five, of Y-12, and the Biology quintet of Oak Ridge National Laboratory. The Y-12ers took the second half championship and Biology were victors in the first half of the season.

## Controllers Tally High For One Game But Bow To Woes

Despite a board-sweeping of individual scoring by Juanita Kirwan and posting of two team high scores for the night, the Controllers bowed to the Woes in two out of three games in the W League of women bowlers last week, giving the victors a two game lead in the standings and throwing the Controllers into a tie for second place with the Strickettes. The latter team snapped out of a two week slump to win two from the Cracker Jax. The Mix Ups churned the Hi Balls for a three game whitewash win and the Kemps took the Make Ups for two in the other loop matches.

Juanita Kirwan had marks of 202, 242, 491 and 611 for tops of the night. The Controllers had the best single game scores, 783 scratch, boosted to 1003 with handicap. The Woes, however, came through with the best series tallies, 2163 scratch and 2874 handicap.

League standing follows:

Team	W	L
Woes	16	8
Controllers	14	10
Strickettes	14	10
Kemps	12	12
Make Ups	11	13
Cracker Jax	11	13
Mix Ups	10	14
Hi Balls	8	16

A good scare is worth more to a man than good advice.

## Hurricanes Breeze At Top of C League; Guards Take Four

The Hurricanes breezed right along at the top of the C League last week by trimming the Short Circuits for three points although the Guards nibbled away at their long lead by blanking the Hooks for four. The Hornets stung the Orphans for three and the Thin Pins and Moles squared away in a tie.

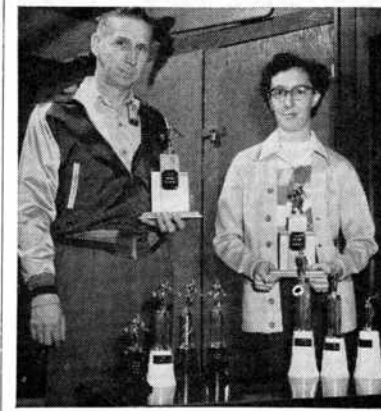
Despite their loss the Orphans threatened to monopolize most of the scoring. They had a 873 scratch game and 2384 scratch series for tops and their 1035 handicap game threatened the top tally of 1938 by the Hornets. The Hornets also had the best handicap series of 2949. Nelson Tibbatts, of the Orphans, had the best single game scores, 202 scratch and 237 handicap. Len Hart, of the Hurricanes, came out in his usual role of top scratch series scorer, posting a 551. Ray Duckworth, of the Hornets, had a 638 handicap series.

Team	W	L
Hurricanes	31	9
Guards	25	15
Orphans	22	18
Hornets	21	19
Hooks	20	20
Thin Pins	17	23
Moles	14	26
Short Circuits	10	30

## Varsity Pinmen Top Legionnaire Team

Although the Y-12 men's varsity bowlers took four points from the American Legion keggers Monday night, March 3, they could not gain in the Oak Ridge City League standings as the loop leading Friedman Jewelers scored a similar win. The Y-12ers were in second place, seven points behind the leaders.

The Y-12 scores against the Legionnaires were 881, 940, 821—2642; with the losers scoring 817, 769, 745—2340. Elmore Koons paced the winners with 545, followed by Arnold Tiller 544, Frank Gragg 530, Jack Spears 527, and Ernie Cobble 496.



**BIGGEST WINNERS IN THE** plant bowling tournament were Roy Roberts and Mary Ballard. Both were all-events scratch winners and each is holding the trophy awarded for that honor, emblematic of the plant singles championships. Roberts also collected trophies for second place in doubles, singles, mixed doubles and a tie for first in high single game. Miss Ballard added trophies for first place in singles, doubles and for being a member of the Cracker Jax team, second in team standings.

## Three Teams Tied For B League Lead; Others Deadlocked

B League bowlers were bouncing the pins around in merry style last Thursday night and when the hardwood dust had settled three teams were tied for first place, two more were deadlocked just behind them and still another tie existed in the next pair of teams.

Leading the procession were the Bumpers, Rippers and Tigers. The first two trimmed the Comets and Cubs respectively by four and three points. The Tigers, on top the previous week, took a three-point pasting from the Wolves, who ended in a second-place tie with the Bums, who were victimized by the Wasps for three points. The other loop tilts saw the Rebels trounce the One-91 pinmen by three points and the All Stars and Bldg. 9211 dividing their four points.

Although scoring was not up to the previous week's high marks, it was closely bunched. Joe Dunlap, of the Rebels, had a 212 scratch game and was trailed by Jack Spears with 210 and Len Hart with 202. Dunlap's 243 handicap game also was tops with Hooker coming next with 235. Dunlap went on to post a 658 handicap series after Spears, rolling for the Rebels, had the best scratch series of 586.

The Bumpers romped away with all team scoring honors with the Rebels close behind. Across the board the scores were 886, 1025, 2568 and 2985 to 870, 1021, 2498 and 2951 for the Rebels. The Bumpers' series scores were second round highs.

League standing follows:

Team	W	L
Bumpers	12	4
Rippers	12	4
Tigers	12	4
Bums	9	7
Wolves	9	7
Cubs	8	8
Wasps	8	8
All Stars	7	9
Comets	6	10
Rebels	6	10
Bldg. 9211	5	11
One-91	2	14

## Y-12 Keglerettes Again Blank Foe

The Y-12 women's varsity bowling team tucked away its third straight shutout victory last Tuesday night by blanking the Walkers' lassies 703, 720, 729—2152; to 636, 661, 647—1944. The Y-12ers are in fourth place in the Oak Ridge City League, trailing Rickers, the EAT team, and Norris Creamery.

Margaret O'Neal and Ruby McGinnis tied for top honors among the Y-12 scorers, the former had 146, 143, 167—456 while the latter reported 150, 160, 146—456. Then

## Long Tourney Grind Is Seen By Y-12 Robins

### Women Lose Opening Game To Pepsi-Cola; Cards Also Defeated

The Y-12 Robins may be nesting in Knoxville long after dogwood blooming time as their participation in the Class A Women's Division of the Southern Appalachian basketball tournament calls for play in a double-elimination, round robin type of schedule. The rules call for each of the four teams in the division to play the other three at least once and also provide that a team is not eliminated until it has lost two games.

**They Hit—We Missed** Although they are defending champions, the Robins found the Pepsi-Cola team of Knoxville had not read about how good the Oak Ridge team was before their clash last week. The Knoxville lassies were sizzling as a hot carbonated drink as they trimmed our girls by 42 to 35. It was a case of the victors hitting their shots and the Y-12ers missing—just that simple.

The Pepsi-Cola sextet led throughout the game, but the Y-12ers closed an 11-point gap at the end of the third to seven at the end of the game. Ruby McGinnis pushed 14 points through the nets for the Robins, Helen Brown and Sue Strange seven each, Imogene Loy, four, Peggy Dickens two and Bonnie Roberts one. Ray was the Pepsi star with 15 points, followed by Myers with nine and Walker with eight.

The Robins were scheduled to play the K-25 Bluebellies on Tuesday night of this week. The other team in the division is the Harri-man Bur-Mills team.

### Cardinals Are Eliminated

Although Louis Fitzgerald tallied 20 points, the Y-12 Cardinals bowed out of the tournament on their initial appearance last Saturday night, being trimmed by the Greeneville, Tenn., Veterans of Foreign Wars 53 to 38. This loss ousts the Cards from the single elimination tournament and the Y-12ers will pack their uniforms in mothballs for the summer. Despite the handicaps of facing shift hours worked by several mainstays of the team and other absences of stars from crucial games, the Cards gave a good account of themselves throughout the season and none of their losses could be blamed on loafing.

## Women Bowlers Get 11th Place, Money In Memphis Meet

Finishing 11th among the teams in the Women's Tennessee State Bowling Tournament in Memphis over the past week end, the Y-12 varsity keglerettes made an excellent showing and will have some prize money to be distributed among the players. The Y-12 women were second among the 12 teams entered from Oak Ridge, the Ricker's team, City League leaders, placing sixth. Oak Ridge was third among the cities in the state with teams in the tournament, being exceeded only by Memphis and Nashville.

Juanita Kirwan led the Y-12ers in the team event with a score of 147, 156, 176—479; and was followed by Ruby McGinnis 169, 125, 169—463; Mary Ballard 138, 123, 167—428; Margaret O'Neal 146, 131, 140—417; and Katie Williams 119, 117, 138—374.

If you are waiting around for something to turn up, the only thing you can count on is your toes.

came Juanita Kirwan 147, 146, 138—431; Katie Williams 129, 129, 165—423; and Betty Whitehorn 131, 142, 113—386.



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## Attendance Record

MAJOR LEAGUE				
More Than 50 Employees Scheduled				
Dept.	Absent	Percentage	Standing	2-24-52
2619	0.6		1	1
2617	1.5		2	4
2077	1.9		3	2
2739	2.1		4	—
2091	2.8		5	5
2773	3.5		6	6
2015	3.8		7	8
2790	3.9		8	3
2003	4.0		9	12
2014	4.2		10	11
2618	4.4		11	7
2060	5.5		12	13
2001	5.6		13	14
2142	5.8		14	10
2018	7.5		15	9
2008	8.0		16	—

Group absentee percentage was 3.6 per cent, .1 per cent lower than the preceding week.

MINOR LEAGUE				
15-49 Employees Scheduled				
Dept.	Absent	Percentage	Standing	2-24-52
2743	0.0		1	2
2144	0.0		1	4
2090	0.0		1	5
2002	0.9		2	1
2064	2.1		3	9
2616	2.3		4	3
2143	2.66		5	10
2145	2.73		6	14
2133	3.1		7	8
2200	3.6		8	7
2005	3.7		9	6
2109	3.8		10	1
2107	4.2		11	16
2108	4.9		12	11
2096	6.4		13	12
2093	6.8		14	1

Group absentee percentage was 3.1 per cent, .4 per cent lower than the preceding week.

The plant average for the week ending March 2, 1952, was 3.6 per cent, .1 per cent lower than the preceding week.

## Carbide And AEC Officials Invited To Overture Premier

Waldo E. Cohn, of the Biology Division in Y-12 and director of the Oak Ridge Symphony Orchestra, has invited officials of Carbide and Carbon Chemicals Company and the Atomic Energy Commission to attend the premiere of "An Overture for the Dedication of a Nuclear Reactor" to be given by the orchestra next Wednesday night, March 19. The concert will be given at the Oak Ridge High School with curtain time at 8:15 o'clock.

The overture was written by Arthur Roberts, physicist and composer, of the University of Rochester, N. Y., and is dedicated to the Oak Ridge orchestra. Roberts is composer of several topical songs and operettas dealing with war-time and post-war physics and physicists. The composition is said to be unique and describes, in musical language, the design, construction, initial operation and final report to the AEC of a graphite-moderated natural uranium reactor.

## Britains Opens Training of Youths In Atom Courses

Britain is breaking 'em in early. An apprentice training program for more than a score of boys from 15 to 18 years old in atomic energy has been started at Aldermaston, England, according to an Associated Press story appearing recently in the Cleveland, Ohio, Plain Dealer. These boys, who may be Britain's atomic scientists and engineers of the future, will live at the plant until they are ready to take university courses. They are allowed periodic visits to their homes.

## Power Squadron To Name Officers At Annual Meet

The annual meeting and dinner of the Oak Ridge Power Squadron will be held at 7 o'clock Friday night, March 21, in the Starlight Room of the Oak Terrace, it has been announced by Gustave J. Angele, of Y-12, commander of the squadron. The principal business of the meeting will be election of officers for the coming year.

The squadron nominating committee has submitted a slate for action by the membership. It recommends the reelection of Angele as commander and also proposes for officer Robert J. Wertz, K-25, lieutenant commander; Alfred H. Patterson, former Y-12er, secretary; and R. R. Lowery, K-25, treasurer; and William Tunnell and George Lockhart, both of Y-12; David Ravage, K-25; and William Johnson, Knoxville, as members of the executive committee.

## Dance Duo To Give Program At Civic Auditorium Tonight

A program of humorous and dramatic dances will be presented tonight, Wednesday, March 12, by a pair of talented terpsichoreans, Emily Frankel and Mark Ryder, at the Oak Ridge civic auditorium. The dance duo is presented by the Oak Ridge Civic Music Association and curtain time is 8:15 o'clock. Adult tickets are \$2.50 while a special price of 75 cents is made for children. Tickets may be obtained at the box office and ORCMA season tickets will be honored.

Miss Frankel formerly was a member of the Charles Weidman Dance Theater and her partner an important soloist in the Martha Graham Dance Troupe. In their current production they designed and executed costumes and scenery and arranged their own bookings. They are on their second tour of the United States.

## Rides Wanted And Offered

**Riders Wanted**—From Fifth and Richards Sts., Lonsdale section, Knoxville, straight day. G. A. Kirk, plant telephone 7793, home telephone 5-5224.

**Want To Join Car Pool Or Ride**—From Colonial Village section of Chapman Highway, straight day. Neal Dow, plant telephone 7535, home telephone 2-0303.

**Ride Wanted**—From West Knoxville, Shifts A and B, Group No. 2. E. S. Lewis, plant telephone 7436, home telephone 4-7043.

**Ride Wanted**—From West Hunter Circle, Oak Ridge, rotating shift. S. H. Smith, plant telephone 7374, home telephone 5-2735.

**Ride Wanted**—From Kingston or two miles out from Gallaher Gate, straight day. J. T. Jackson, plant telephone 7698, home telephone 6321 Kingston.

**Riders Wanted**—From Inskip via Clinton Highway, Schaad Road, straight day. F. E. Shipley, Jr., plant telephone 7793, home telephone 6-3797.

Gift necktie—the tie that binds.

## Dr. Eitel To Address Metals Society Meet

Dr. Wilhelm Eitel, of the United States Bureau of Mines, Norris, Tenn., will give the third lecture of the education series of the Oak Ridge Chapter of the American Society for Metals at 8 o'clock Friday night, March 14. The lecture will be given at the Knights of Columbus Hall, Jefferson Circle, and will be preceded by a dinner at 6:30 o'clock at the Edgewood Steak House honoring speakers in the educational series.

Doctor Eitel's subject will be "Phase Equilibria in Slag Systems." The topic will be of interest to metallurgists, engineers, chemists and other technical personnel of Y-12, all of whom are urged to attend the session. The speaker was a director of the Kaiser Wilhelm Institute for Silicate Research in Germany and is one of the foremost authorities in the field of silicate chemistry and high temperature equilibria in the world.

Y-12ers wishing reservations for the dinner may obtain them by communicating with Dr. Francois Kertesz, Bldg. 9766, telephone 7620.

## U-T Enrollment Opens In Oak Ridge Thursday

Continued from Page 1  
of original entry, departmental operations, the voucher system and forms of business organization.

**Business Law 411-E**—Emphasis placed on law of contracts. This is the first course in a series of three studying the fundamental principles of law most frequently involved in business transactions.

**Engineering Drawing 111-E**—Drawing practice and essentials in training in any type of drafting.

**Engineering Drawing 112-E**—Pictorial representation and dimensioning.

**Engineering Drawing 113-E**—Working drawings of machine parts. Required of all engineering students.

**Psychology 363-E**—The third in a series of three courses and devoted to study of development of children.

Additional information on the courses to be offered and class schedules may be obtained from the Y-12 Training Department Bldg., 9704-2, telephone 7716.

## American Wage Earner's Life Expectancy Now 68.5 Years

Longevity among American wage earners and their families reached a new high in 1951, with expectation of life at birth rising to 68.5 years, according to statisticians of the Metropolitan Life Insurance Co. This is a gain of about one-fifth of a year over the 1950 figures.

Since the latter part of the 19th Century expectation of life at birth has doubled in the industrial population. Among the Metropolitan's industrial policy holders the average length of life has increased by five years in the past decade and by 10 years since early in 1930. The gains are attributed to more healthful living and working conditions, better food and gains in medical science and public health administration.

## Augustana College Choir Concert Set Next Monday

The Augustana College choir will present a concert in the Oak Ridge civic auditorium at 8:15 o'clock next Monday night, March 17, under sponsorship of the Grace Lutheran Church of Oak Ridge. The visiting choral group is one of the best known of its type in the country. Local arrangements for the concert are being handled by Edward G. Struxness, of the Y-12 Health Physics Department.

## Dr. Livingston Is Senior Y-12er In Plant Service



Dr. R. S. Livingston

Continued from Page 1

last week. "It was an even bet if an automobile could make the round trip, particularly on rainy and muddy days."

A physicist, Dr. Livingston had prior experience with the electromagnetic process at the Radiation Laboratory of the University of California from 1941 on before coming to Y-12 and was greatly responsible for the installation and successful operation of the process here.

## Many Y-12ers Enroll For Rescue Squad Work

Continued from Page 1

Green, Roy J. Johnson, H. B. Smith, F. M. Henry, David Laughlin, R. T. Faulkner, E. W. Hart, E. E. Fox, M. D. Varnadore, Jr., Jerome E. Roberts, L. K. Flynn, Rembert Harris, C. H. Beddingfield, E. C. Walker and Luther Walton, all of the Buildings and Grounds Department; E. L. Bentley, Safety; Elmer R. Baxter, Field Maintenance; James Albert Moore, Research Services; R. L. Martin, Janitors; Jake H. Seivers, Harrison Raper and Ralph B. Littleton, of Transportation.

**Poll To Be Conducted**

According to Engel, all details of the Community Disaster Plan are far from complete now—more personnel is needed in various activities and more interest must be shown. However, he declared, this interest is growing and a survey to be held some time next month is expected to produce information that will greatly speed the aims of the plan. In this survey a house-to-house poll will be conducted to classify all Oak Ridge residents in their most efficient roles in carrying out Community Disaster Plan activities. This poll will determine who is willing to work, their addresses, occupation, and their preference or suitability for duty in medical services, communications, utility and engineering or welfare work. After the poll is completed those registered will be selected for training in various positions, according to their qualifications, such as warden, first aid, auxiliary firemen or policemen, rescue work, radio monitor or home nursing.

Coming back to the work of the rescue squads, as described by Engel. The prime duty of the rescue squads is to work with other groups in the plan, remove persons trapped in damaged buildings, under fallen trees or other debris. Recovery of bodies is another gruesome task assigned to them. The squads also are trained in driving through wreckage or debris to gain access to stores, medical supplies, food or other cri-

## ACS Group Will Hear Talk By Rutgers Man

William Rieman, III, professor of analytical chemistry at Rutgers University, will speak at a meeting of the East Tennessee Section of the American Chemical Society at the Jefferson Junior High School auditorium, Oak Ridge, next Tuesday night, March 18. The meeting will start at 8 o'clock and will be preceded by a dinner at 6:30 at the Ridge Recreation Hall.

Many Y-12ers who are members of the organization are expected to attend the dinner and meeting. Cards for reservations at the dinner meeting are being circulated in the current issue of The Branched Chain, official publication of the section, and persons attending the dinner are urged to mail their requests for reservations before Friday, March 14. Compliance with this request will be appreciated by the committee on arrangements.

Rieman will speak on the subject of "Ion Exchange in Analytical Chemistry." He will point out that although ion exchange has been known for 102 years, it recently has experienced a great increase in application because ion exchange resins with excellent properties have appeared on the market in large numbers.

Rieman was born in New Jersey in 1899. After a year at Lehigh University he finished his formal education at Rutgers, receiving his B.Sc. in 1922 and Ph.D. in 1925. He has been on the Rutgers faculty ever since.

## Carbide To Construct Polyethylene Plant

Continued from Page 1

The new unit also requires an extensive increase in power, steam, and raw materials at the plant.

The polyethylene resin made in the unit will be further compounded by companies such as Bakelite Company, another Division of Union Carbide and Carbon Corporation. Then hundreds of large and small businesses will produce the end products from this polyethylene plastic for military uses.

## Playhouse Planning Dance At 'Barn' Saturday Night

Members of the Oak Ridge Community Playhouse, that includes several Y-12ers, will give a dance Saturday night, March 15, at the playhouse "barn" on Robertsville Road. The festivities will begin at 9 p. m. and continue until 1 a. m. and music will be provided by Clarence Neal's orchestra.

Y-12ers wishing tickets to the dance are asked to call Charley Blake, plant telephone 7557, or Ruth Donovan, Oak Ridge telephone 5-2083. Admission will be \$1.75 per person, including refreshments.

tical materials. In their training the men are instructed in how to administer first aid before removal of trapped persons, if treatment is needed, and to use caution in removal of debris so as not to leave hazardous conditions behind them. They are also urged to use safety equipment wherever possible.

**Cooperation Of All Sought**

Engel and Britton have joined in asking the cooperation of every Y-12er and resident of Oak Ridge when the poll is conducted next month so that the greatest possible amount of manpower can be assembled and properly utilized if—and there isn't any good reason to believe that "it can't happen here"—disaster strikes the community.

The office of the Community Disaster Plan is in the City Administration Building and the telephone number is Oak Ridge 5-3521, Station 58. It would appreciate any calls from volunteers or persons with good suggestions as to operations.